Debris Flow Event Log

Date: January 14 2006 Debris Flow (Burbank, CA Airport)

Note taker: Jorgensen

Time (UTC)	*Event*
1500	Arrived on site – no precip at site – sky overcast. Got SR2 up and scanning with no problems. No appreciable rain echoes within range. Will perform surveillance scans but will not archive data until echoes appear.
1501	IOP 7 is also ongoing at HMT. Hope they're getting more precip than I am. The morning Oxnard AFD is still optimistic about an inch or so as the front passes here about noon. Then chance of cold air showers in the unstable post frontal air. Will operate the radar until chance of flash flooding in the Harvard burn area decreases.
1615	Line of echo now appearing on screen. Orientation is NE-SW at about 60-70 km to the NW. max reflectivity is around 50. Begin data acquisition. May be the main frontal band, although it is more continuous that a typical NCFR.
1630	Some small echoes now over the vicinity of the Harvard burn region. Max dbz only about 45
1640	Line of rain echoes to NW now just inside the 50 kim range ring. Max dbz on 1.3 degree tilt about 46 dbz.
1647	Very light rain (R-) now falling at site. Other, more stratiform echoes, now appearing ahead of the rainband.
1705	Moderate rain now at site
1719	Heavy rainfall now at site. Frontal band now more N-S oriented maybe 35 km to the west. Stratiform echo ahead of it is now moving over site, and the Harvard burn area. Only spotty weak echoes behind (to the west) of the frontal band.
1729	Still moderate rain at site
1742	Convective band only 10 km to the west now. Max reflectivities approaching 50 dbz.
1746	Another N-S band has appeared 50 km to the west, parallel to the one that is just now going over the site. Moderate rain continues at site
1753	Heavy rain now at site as this first band goes overhead. Max reflectivities in the band are 46-50 dbz
1755	Echoes are convective looking, but there is a hint of bright band in the vertical incidence scan
1806	Rain slacking off at site, now R-
1820	Band to the west about 30 km looks much weaker now. Max reflectivities only about 40 dbz. Rain has ceased at the site. Intense band that passed over now about 35 km to the east
1831	30-35 dbz echo now over Harvard burn area
1847	Second band now only a few km to the west. Rain increasing again at site. Intensities in the band only about 35-38 dbz over the Harvard burn region.
1903	Only the lightest rainfall now at site as the secondary band is weakening appreciably as it moves eastward. No echoes to speak of to the west. Event looks like its over. Will continue scanning for a while until the secondary band exits the

	burn area.
1926	Sky brightening appreciably as stratiform cloud thins out overhead. Broken weak convective looking showers to the west. 25-50 km. max reflectivity to only 30 dbz or so. Rain has ceased at the site.
1930	Time for HMT Conf call
1931	Vertical scan has virtually no echo. Will be shutting down soon as the weaker remnants of the stratiform band clear the burn area
2006	Light showers persist over the burn area
2020	Terminating operations.

